

Receiving Report

Date: 15-03-23

Batch No: 131854

Supplier: CORE

Dart P/O: 270091

Packing Slip: Yes No
 Invoice: Yes No
 Receipt: Cash Cr
 New Supplier Yes No

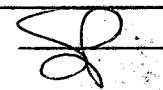
Release Note Attached: Yes No N/A
 Waybill Attached: Yes No
 Shipment Complete: Yes No N/A
 QC18 Inspection:
 Work Order:

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12



Production/Admin:

Date

Received/Costing

Initial

Location



DART
AEROSPACE**DART**
AEROSPACE

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER**Purchase Order ID** PO27009**Purchase Order Date** 1/12/2015**PO Print Date** 1/16/2015**Page Number** 2 of 6

Order From :
C.O.R.E. AVIATION
16305 E. TWIN ACRES
GILBERT, AZ 85297
US

Order From :
C.O.R.E. AVIATION SERVICES
16305 E. TWIN ACRES DRIVE
GILBERT, AZ 85297
US

VU-COR001

Ship To : DART AEROSPACE LTD1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone

Ship To Contact
Ship To Phone
Ship Via:
Ship Acct:

Contact Name
Vendor Phone 480 497 6136

Ship To Contact
Ship To Phone
Ship Via: FedEx Overnight collect
Ship Acct:

Buyer Chantal Lavoie
Customer PO ID
Customer Tax # 10127-2607
Terms Net 10
Currency USD
FOB FCA -- (Free Carrier)

AN4C46A

1/22/2015
Yes
1/22/201510.00
Each**Line Total:***SO15-03-23*

AN4C52A

1/22/2015 FN
Yes
1/22/201570.00
Each**Line Total:***SO15-01-30*

AN4C54A

1/22/2015 FN
Yes
1/22/201524.00
Each**Line Total:***SO15-01-31*

AN6C44A

PO Instructions: Fedex

PO Instructions: FedEx Acc#151793240

Note:

Note:

C.O.R.E. Aviation Services, Inc.

16305 E. TWIN ACRES DRIVE
GILBERT, AZ 85298
USA
Ph: 480-497-6136 Fax: 480-497-3568
EMail: sales@coreaviation.com

Packing List

Ship Doc : CA150319-1
Printed : 03/19/2015
No. Items : 20
Page : 1 of 2

Bill To:
Dart Aerospace Ltd.
1270 Aberdeen St.
Hawkesbury, ON K6A 1K7
Canada

Ship To:
Dart Aerospace Ltd.
1270 Aberdeen St.
Hawkesbury, ON K6A 1K7
Canada

Sales Order : 27012	AWB : 773172010340	Resale : Not On File
Order Date : 01/19/2015	Customer# : DALD	Buyer :
Ship Date : 03/19/2015	Terms : N 10	Contact : 613-632-9577
Ship Via : FEDEX	Sales Person: sale2	Weight :
Ship Account: 151793240	FOB : GILBERT, AZ	No. Boxes :
		Dimensions :

Item	Part Number/Description	CD	Location	UM	Ord	B/O	Shipped	Cust. PO#
4	AN3C42A	BOLT	NE	HC202	EA	10	0	10 27009
9	AN5C34A	BOLT	NE	HC202	EA	8	0	8 27009
4	AN3C42A	BOLT	NE	HC202	EA	10	0	10 27010
9	AN5C34A	BOLT	NE	HC202	EA	8	0	8 27010
1	AN3C36A NSN:5306-01-020-9473	BOLT	NE	HC202	EA	80	0	80 27012
2	AN3C37A	BOLT	NE	HC202	EA	70	0	70 27012
3	AN3C41A	BOLT	NE	HC202	EA	75	0	75 27012
4	AN3C42A	BOLT	NE	HC202	EA	10	0	10 27012
5	AN3C46A	BOLT	NE	HC202	EA	70	0	70 27012
6	AN3C50A NSN:5306-00-582-9889	BOLT	NE	HC202	EA	24	0	24 27012
7	AN4C46A NSN:5306-00-702-6010	BOLT	NE	HC202	EA	70	0	70 27012
8	AN4C52A NSN:5306-00-197-6277	BOLT	NE	HC202	EA	15	0	15 27012

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TERMS AND CONDITIONS OF SALE

MATERIALS ON THIS ORDER CONFORM TO SPECIFICATIONS AS LISTED ON YOUR PO/RO.

MATERIAL IS SUBJECT TO YOUR INSPECTION

OUR TERMS ARE AS PER OUR MUTUAL LETTERS OF AGREEMENT.

OVERDUE INVOICES WILL BE SUBJECT TO 1.5% INTEREST ON OVERDUE AMOUNTS.

NO RETURN OR REFUNDS AFTER 10 DAYS FROM INVOICE DATE.

DAMAGE OR SHORTAGE CLAIMS MUST BE MADE WITHIN 10 DAYS OF INVOICE DATE.

NO RETURNS ALLOWED WITHOUT PRIOR APPROVAL. RETURNED GOODS COULD BE

SUBJECT TO A RESTOCK CHARGE.

#####

COUNTRY OF ORIGIN OF GOODS : USA

TYPE OF GOODS : AIRCRAFT PARTS

HARMONIZED CODE : 8803-20-0050

#####

SPS-33-23

C.O.R.E. Aviation Services, Inc.

16305 E. TWIN ACRES DRIVE
GILBERT, AZ 85298
USA
Ph: 480-497-6136 Fax: 480-497-3568
EMail: sales@coreaviation.com

Packing List

Ship Doc : CA150319-1
Printed : 03/19/2015
No. Items : 20
Page : 2 of 2

Item	Part Number/Description	CD	Location	UM	Ord	B/O	Shipped	Cust. PO#
9	AN5C34A BOLT	NE	HC202	EA	8	0	<u>8</u>	27012
10	AN6C44A BOLT NSN:5306-00-275-9647	NE	HC202	EA	52	0	<u>52</u>	27012
11	AN8C16 BOLT MACHINE NSN:5306-00-180-2749	NE	HC202	EA	7	0	<u>7</u>	27012
12	AN8C21A BOLT NSN:5306-00-579-3481	NE	HC202	EA	30	0	<u>30</u>	27012
13	AN8C35A BOLT NSN:5306-00-855-7396	NE	HC202	EA	15	0	<u>15</u>	27012
14	MS20601AD4W10 BLIND RIVET	NE	HC202	EA	50	0	<u>50</u>	27012
15	MS21920-25 CLAMP	NE	HC202	EA	40	0	<u>40</u>	27012
16	MS21920-28 CLAMP	NE	HC202	EA	38	0	<u>38</u>	27012

C.O.R.E. Aviation Services, Inc.

16305 E. TWIN ACRES DRIVE

GILBERT, AZ 85298

USA

Ph: 480-497-6136 Fax: 480-497-3568

DUPLICATE
EMail: sales@coreaviation.com

Invoice

Invoice : CA150319-1

Date : 03/19/2015

No. Items : 2

Page : 1 of 1

To: Dart Aerospace Ltd. 1270 Aberdeen St. Hawkesbury, ON K6A 1K7 Canada		Ship To: Dart Aerospace Ltd. 1270 Aberdeen St. Hawkesbury, ON K6A 1K7 Canada				
Sales Order : 27009	AWB : 773172010340	Resale : Not On File				
Your Order# : 27009	Customer# : DALD	Buyer :				
Order Date : 01/19/2015	Terms : N 10	Contact : 613-632-9577				
Ship Date : 03/19/2015	Sales Person: sale2	Weight :				
Ship Via : FEDEX	FOB : GILBERT, AZ	No. Boxes :				
		Dimensions :				
Item	Part Number/Description	Shipped	BackOrd	CD	Unit Price	Total Amt
4	AN3C42A BOLT	10	0	NE	\$9.50 EA	\$95.00
9	AN5C34A BOLT	8	0	NE	\$23.00 EA	\$184.00

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TERMS AND CONDITIONS OF SALE

MATERIALS ON THIS ORDER CONFORM TO SPECIFICATIONS AS LISTED ON YOUR PO/RO.

MATERIAL IS SUBJECT TO YOUR INSPECTION

OUR TERMS ARE AS PER OUR MUTUAL LETTERS OF AGREEMENT.

OVERDUE INVOICES WILL BE SUBJECT TO 1.5% INTEREST ON OVERDUE AMOUNTS.

NO RETURN OR REFUNDS AFTER 10 DAYS FROM INVOICE DATE.

DAMAGE OR SHORTAGE CLAIMS MUST BE MADE WITHIN 10 DAYS OF INVOICE DATE.

NO RETURNS ALLOWED WITHOUT PRIOR APPROVAL. RETURNED GOODS COULD BE SUBJECT TO A RESTOCK CHARGE.

#####

COUNTRY OF ORIGIN OF GOODS : USA

TYPE OF GOODS : AIRCRAFT PARTS

HARMONIZED CODE : 8803-20-0050

#####

Sub Total :	\$279.00
Tax Total :	
S + H :	\$0.00
Balance :	\$279.00

KH

CERTIFICATE OF CONFORMANCE

C.O.R.E. Aviation Services, Inc.

16305 E. TWIN ACRES DRIVE, GILBERT, AZ 85298, USA.
Phone: 480-497-6136 Fax: 480-497-3568 FAA Sta. #: Web:

Invoice : CA150319-1
Date : 03/19/2015
PO : 27009
Issued By : sale2
Page : 1 of 1

THIS IS TO CERTIFY THAT ALL GOODS ON C.O.R.E. INVOICE WERE SHIPPED IN ACCORDANCE WITH THE PART SPECIFICATIONS ON CUSTOMERS PO & TO THE BEST OF OUR KNOWLEDGE AND BELIEF, MEET THOSE STANDARDS.

ITEM(S) WERE DETERMINED TO BE IN STATED CONDITION BY VISUAL CONDITION AND OR IN ACCORDANCE WITH RECEIVING RECORDS.

ALL DETAILED RECORDS ARE KEPT ON FILE AT C.O.R.E. AVIATION SERVICES FOR ANY FUTURE CUSTOMER INSPECTION.

Item	Part Number/Description	Shipped	CD
4	AN3C42A Lot:COR005-02-27-17625-1	BOLT	10 NE
9	AN5C34A Lot:17481	BOLT	8 NE

KH

KAIZER HUSEIN

BUTLER, INC.
1600 W. 166th STREET
GARDENA, CA 90247

Packing List

Customer No.: C.O.R.E

Ship To: **CORE AVIATION SERVICES, INC.**
16305 E. TWIN ACRES DR.
GILBERT, AZ 85298

Bill To: **CORE AVIATION SERVICES, INC.**
16305 E. TWIN ACRES DR.
GILBERT, AZ 85298

Date	Ship Via	F.O.B.	Terms
03/10/15	UPS	Origin	
Purchase Order Number	Order Date	Sales Person	Our Order Number
STK141217-1	12/19/14		17481
Quantity	U/M	Item Number	Description
500	500	each	AN5C34A
			LOT 17481

BUTLER INC.

1600 West 166th Street Gardena, CA 90247
(310) 323-3114 FAX (310) 324-0914



BUTLER INC.

1600 W. 166th STREET
GARDENA, CALIFORNIA 90247
(310) 323-3114 / FAX (310) 324-0914



CAGE # 59053

C.O.R.E. AVIATION SERVICES
16305 E. TWIN ACRES DRIVE
GILBERT, AZ 85298

CERTIFICATE OF COMPLIANCE

BUYER ORDER NO.: STK141217-1 ITEM: 1/2

NSN #: NA PART NUMBER: AN5C34A REV: 3

DESCRIPTION: BOLT, HEX HEAD, .3125-24 x 3.594, 431, PASSIVATE

SPECIFICATIONS: NASM6812-3, ASTM A 493-13, AMS2759E, AMS2700E

QUANTITY: 500 LOT #: 17481 HEAT #: G20690

BUTLER INC. HEREBY CERTIFIES THAT THIS LOT HAS BEEN PRODUCED, SAMPLED, INSPECTED, TESTED, MARKED AND PACKAGED IN ACCORDANCE WITH ALL CONTRACT, DRAWING AND SPECIFICATION REQUIREMENTS. FURTHERMORE, BUTLER INC. CERTIFIES THAT DOCUMENTED EVIDENCE OF COMPLIANCE WITH ALL CONTRACT, DRAWING AND SPECIFICATION REQUIREMENTS APPLICABLE TO THIS LOT IS ON FILE AT OUR PLANT IN THE FORM OF MECHANICAL, METALLURGICAL AND/OR CHEMICAL TEST REPORTS AND INSPECTION RECORDS, AND IS AVAILABLE FOR BUYERS REVIEW.

DATE OF EXECUTION: 03/10/15

SIGNATURE: Tod F. Polidori
TOD F. POLIDORI

TITLE: Q.A. MANAGER

3848423
Order No: 14:07:48
Time



FRY STEEL COMPANY
Registered ISO 9001
13325 MOLETTE ST.
SANTA FE SPRINGS, CA 90670
(562) 802-2721

B04163
Cust. NO.: 27069
P.O. NO.:

CERTIFICATE OF COMPLIANCE

BUTLER INC ***
1600 W 166TH ST
GARDENA CA 90247-4704

12/19/14

QTY	-DESCRIPTION-	-ITEM CODE-	-HEAT NUMBER-
32	CD 431 ANN AMS 5628 GREEN/YELLOW BARS 5/16"RD 12'RL	4220	G20690

MAT'L USED

FOR LOT #

17481

REVIEWED BY:

JB
A 5

DATE: 12-22-14

NOTICE

A COPY OF THE ORIGINAL MILL CERTIFICATION IS ATTACHED*

CHEMICALS & PHYSICALS ARE REPORTED THAT WILL MEET THE SPECIFICATIONS SHOWN ON THE CERTIFICATE.
EXCEPTIONS TO SPECIFICATIONS SHOULD BE SHOWN ON THE CERTIFICATION.

AUTOMATIC EXCEPTIONS TO THE SPECS LISTED ARE: LINE MARKING AND INSPECTION(I.E. MAG., SONIC, ETC.)

WE SUGGEST CONSULTING AN EXPERT ABOUT RELATED INSPECTION, PRIOR TO ALTERING THE MATERIAL FROM THE AS SHIPPED/RECEIVED CONDITION. "DEFECT FREE" MATERIAL CAN NOT BE GUARANTEED WITHOUT PRIOR INSPECTION APPROPRIATE TO APPLICATION.

NO WELD REPAIR HAS BEEN PERFORMED AND THIS MATERIAL IS FREE FROM MERCURY AND RADIUM
CONTAMINATION AT TIME OF SHIPMENT

The willful recording of false, fictitious or fraudulent statements on this document may result as a felony under federal statutes.
*WHEN APPLICABLE

-- TO THE BEST OF OUR KNOWLEDGE MATERIAL IS CONFLICT MINERAL FREE --


CHIP SANDOVAL - Q.C. MANAGER



LABORATORY
ACCREDITATION
BUREAU
ACCREDITED ISO/IEC 17025

Certificate # L2370 Testing
ISO9001 and AS9100-2009
Registered Quality System

UNIVERSAL
STAINLESS

Dunkirk Specialty Steel, LLC.

830 Brigham Road | Dunkirk, NY 14048
(716) 366-1000

Accredited

Materials Testing Laboratory
Heat Treating

Material Certification

MILL ORDER: 0052833
PART NUMBER: S#4220

P.O. NUMBER: 47641-16
P.O. DATE: 7/31/2013

PAGE NUMBER: 1 of 1
PRINTED: 10/24/13 09:56

G 20690
S FRY STEEL COMPANY
O P.O. BOX 4048
L
D SANTA FE SPRINGS, CA 90670

S FRY STEEL CO
H T C/O C.M.I. FREIGHT TRANS
I O 4201 WEST 36TH ST
P CHICAGO, IL 60623

Material Description: STAINLESS STEEL ROUND BAR 431 EAF+AOD ANNEALED CENTERLESS GROUND AMS 2303F, ASTM A484-12, MIL-S-18732D, AMS-S-18732B, AMS 5628F, McDonnell Douglas DMS-1565G (except sonic), Hi Shear #115J (Type II, chemistry only), Federal QQ-S-763C Am. 2 (431 cond. A, exc. hard. & impact), waive CLM, ASTM A276-13 (431),

Size: .3125 DIAM X 132.0000 MIN/ 156.0000 MAX RANDOM LENGTH

Heat Number	FNL	Wt	C	0.14	MN	0.58	SI	0.37	S	0.005	P	0.024
G20690			CR	15.95	W	<0.05	V	<0.02	NI	2.26	MO	0.09
			CO	<0.05	CU	0.30	SN	<0.003	PB		CB	<0.01
			TA		AL	<0.01	TI		FE		B	
			O		MG		CA		SE		ZR	
			AG		BI		N	0.052	H		CQ	

HARDNESS (AS SHIPPED): 243 HBW

HARDENABILITY: 48.7 HRC

GRAIN SIZE: 8.5

TENSILE:	1875 F / 1 hr / OQ + 1175 F / 3 hr / AC					
Location	Dir	Pos	UTS/KSI	0.2%YS/KSI	% Elong	% Red Area
	L		153.6	114.6	16.15	51.07
TENSILE:	1875 F / 1 hr / OQ + -100 F / 2 hr / AC + 550 F / 4 hr / AC + 550 F / 4 hr / AC					
	Location	Dir	Pos	UTS/KSI	0.2%YS/KSI	% Elong
		L		215.7	156.2	16.22
						57.48

MICROSTRUCTURE: ACCEPTABLE

MACRO ETCH TEST: ACCEPTABLE

FERRITE: < 4.00%

MAGNETIC PARTICLE F/S = 0/0

FRY STEEL CO. CERTIFIES THAT THIS IS
A TRUE COPY OF THE ORIGINAL MILL TEST
REPORT NOW ON FILE
RECEIVED AND INSPECTED

NOV 04 2013

MAT'L USED
FOR LOT #

17481

BY Chip Sandoval
CHIP SANDOVAL - Q.C. MANAGER

JB
A5

REVIEWED BY:

DATE: 12-22-14

/S/Amy Giordano

Amy Giordano

/S/David Kyaw

D. Kyaw
David Kyaw, Process Metallurg

Prepared by: Amy Giordano

Date: 10/24/13

Melted and manufactured in compliance with DFARS 252.225-7009 ALT 1. Melted by USAP in Bridgeville, PA., USA. Material Manufactured in USA. Certification IAW DIN 50 049 / EN 10204 3.1. Material complies with EU directive 2002/95/EC (RoHS). The test results shown are certified to be a correct statement of records that were derived from testing samples of the material. Results meet applicable specifications. No welding was performed on the material supplied on this order. Material is free from mercury contamination. Material is of NAFTA origin. This material was produced under the Dunkirk Specialty Steel Quality Management System documented in QP Manual, Rev. 8 dated 9/7/2013, conforming to NCA-3800. Material testing was performed as applicable in accordance with ASTM A370, A604, E8, E10, E18, E23, E45, E112, E139, E381, E572, E1019, STP-CHEM-GDS, E144, & AMS 2315. The recording of false, fictitious, or fraudulent statements on this document may be punished as a felony under federal statutes, including Federal Law, Title 18, Chapter 47. Test results are maintained in company records. This certification shall not be produced, except in full, without written approval of Dunkirk Specialty Steel. Material is free from Radioactive Contamination. If applicable: Decarb test - furnace atmosphere is Argon; Corrosion Test (ASTM A262 Practice A) - Etchant used -10% Oxalic Acid; Microstructure @ magnification 250 - 500X. Stress Rupture, Bending Test (ASTM 384), Microcleanliness, Corrosion Test (ASTM A262 Practice E) and Tensile (GS400) tests performed by Westmoreland Testing Laboratory. Impact Testing performed by the NSL Testing Laboratory.



10643 S. NORWALK BL.
SANTA FE SPRINGS
CALIFORNIA 90670
562-944-8808
800-622-6624
FAX 562-944-1499
www.continentalht.com

CERTIFICATION

CERTIFICATION NUMBER
670655

S BUTLER INC
1600 W 166TH STREET
D GARDENA, CA 90247-4704

S BUTLER INC
1600 W 166TH STREET
D GARDENA, CA 90247-4704

TO

TO

CUSTOMER NUMBER	DATE RECEIVED	CUSTOMER P.O. NUMBER	CUSTOMER SHIPPER
2047580	01/29/15	28085	
QUANTITY	WEIGHT	PART NUMBER / DESCRIPTION	
1955	81	AN175C12A REV. 7 LOT# 17399	1 PAN
10	0	COUPONS HEAT# G20690 END USER: ASC INDUSTRIES	
879	81	AN5C34A REV. 3 LOT# 17481	1 PAN
10	0	COUPONS HEAT# G20690 END USER: C.O.R.E. H/T, 125-145 KSI PER P.O.	

MATERIAL	HARDNESS	MAX-CROSS SECTION	CASE DEPTH	CORE HARDNESS
4340-S45	26-32 HRC	.380		

SPECIFICATIONS AMS 2759/5 D

PROCESS	SPEC TEMP	SPEC TIME	EQUIP.	ACT TEMP	TIME IN	TIME AT-HEAT	TIME OUT	ATMOS DEWPT	Q-MED & TEMP	DATE
1 RACK			RACK		1.00	Y				02/03
LOADCOUPLE			WIRE		.08	Y				02/03
SET V P			ATMOS		.021	Y				02/03
PREHEAT	1400	1:30	V1	1400	15:40	19:10	19:40	VAC	RAISE	02/03
AUSTENITIE	1875	2:00	V1	1875	19:40	21:10	23:10	VAC	OIL	02/03
SUBZERO	-100	2:30	CB3	-100	01:23	1:30	04:00	NIT	A/W	02/04
TEMPER 15	1125	3:00	D16	1125	16:07	17:05	20:05	AIR	A/C	02/04
TEST RESULTS:	33-34 HRC				LAB#378/01773	TEST#4	ACCT#2854	REJT#0		
TEMPER 15	1150	3:00	D16	1150	20:08	20:55	23:55	AIR	A/C	02/05
GLASS BEAD			B2		2.00	Y				02/05

REVIEWED BY:

473

DATE: 2-11-15

HARDNESS: 29-32 HRC QTY TESTED: 15 QTY ACCT#2854 QTY REJT#0

INSPECTOR DATE QUALITY MANAGER
RANDELL THOMAS 02/09/15 JIMMY MARTINEZ for KEN NELSON

This Process Certification covers thermal processing and/or hardness testing only. No particular mechanical properties of any material should be assumed, or are implied, as a result of the thermal processing and/or hardness testing cited on this Process Certification. Material processed in a mercury-, radium- and asbestos-free environment. Unless otherwise specified above, for all AMS material specifications, no qualification or periodic testing has been performed. ALL FURNACES CERTIFIED TO MEET THE REQUIREMENTS OF AMS-H-6875, CURRENT REVISION. HARDNESS TESTING PERFORMED TO THE LATEST REVISION OF ASTM E 384, ASTM E 10, ASTM E 110, ASTM E 18, ASTM E 140 AND ASTM A 370.



Nondestructive Testing

HADD-CO INSPECTION LAB

2420 Amsler Street, Torrance, CA 90505

Toll Free: (888) 339-8472 Phone: (310) 325-7620 Fax: (310) 325-9655

www.haddco.com Email: NDT@haddco.com

NO. 29391

Sold To:

BUTLER, INC
1600 W. 166TH ST.
GARDENA, CA 90249

P.O. Number: 27518
Job/Lot #: 17481
Completion Date: 3/3/15

CERTIFICATION

QUANTITY	PART NUMBER	DESCRIPTION
20	AN5C34A REV. 3	MPI PER ASTM E1444/E1444/M-12 NASM6812-3 MAT: 431 HEAT# G20690 NOT PLATED NO REJECTS

This is to certify that 100% of the parts under subject purchase order have been inspected by Magnetic Particle Inspection in accordance with all applicable and/or purchase order requirements.

Inspector:


LUIS TAPIA LEVEL III



NOTE: Altering of this certification renders it void.

REVIEWED BY: 

DATE: 3-3-15

Allblack Company, Inc.

13090 Park St.
Santa Fe Springs, CA 90670
Phone: (562) 946-2955
Fax: (562) 946-6665

Certificate of Conformance

To: Butler Inc.
1600 West 166th Street
Gardena, CA 90247
United States

From: Allblack Company, Inc.
13090 Park St.
Santa Fe Springs, CA 90670

Packing List No: 442309
Shipping Date: 03/04/15

Today's Date: 03/04/15
PO Number: 27526

MERCURY FREE PROCESS

Quantity	Shipped	Unit	Description	Job Number
1	LOT		PASSIVATE PER AMS2700E 431 MATL AN5C34A REV 3 LOT#17481 HEAT#G20690 1 PAN 71# 848 PIECES	567148
1	EA		VEHICLE MAINT. FEE	567149

GENTLEMEN: This is to certify that the following articles have been processed and/or inspected as indicated above in accordance with military standards and specifications. All Certification correction requests must be made within 30 days of the original certification date. After that date, no changes will be made.

REVIEWED BY: *4/13*
DATE: *3-6-15*

Inspector's Initials
Allblack Company, Inc.





Contact: Tod
Butler, Inc.
1600 West 166th Street
GARDENA, CA 90247

Element Materials Technology
15062 Bolsa Chica
Huntington Beach, CA
92649-1023 USA
P 714 892 1961
F 714 892 8159
T 888 786 7555
info.hb@element.com
element.com

TEST CERTIFICATE — EAR-CONTROLLED DATA

Date: 3/6/2015
Purchase Order Number: 27519
Work Order Number BUT004-03-03-18038-1

Part No.:	AN5C34A REV. 3
Lot No.:	17481
Heat No.:	G20690
Material:	431
Specification:	NASM6812-3

FASTENER EVALUATION – STAINLESS STEEL

Number of Pieces:

5

Etchant:

Micro:

Vilella's

Temperature: Ambient

Magnification: 100X/200X

Macro:

Vilella's

Temperature: Ambient

Magnification: 20X

Grain Flow:

Head:

Grain flow follows the contour of the head. (Acceptable)

Head to Shank Fillet:

Grain flow follows the contour of the head to shank fillet. (Acceptable)

Threads:

Grain flow follows the contour of the threads. (Acceptable)

Cracks:

Discontinuities / Defects:

Head:

No discontinuities / defects found.

Threads:

Crest Laps: 0.0025" (Within limits)

Flank Laps: No discontinuities / defects found.

Root Laps: No discontinuities / defects found.

Grain Growth:

None

Grain Size:

ASTM 7.0

Surface Condition on Head:

No surface contamination (IGA) found.

Surface Condition on Threads:

No surface contamination (IGA) found.

Alloy Depletion:

None.

Microstructure:

Exhibits fine tempered martensite with no visible carbide precipitation in the grain boundaries when viewed @ 500X magnification.

Surface Hardening:

None except as created in rolling of threads.

MATERIAL CONFORMS TO SPECIFICATION

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Respectfully submitted

Kelly Nguyen
Senior Quality Administrator

15062 Bolsa Chica, Huntington Beach, CA 92649
(714) 892-1961 ph • (714) 892-8159 fax www.element.com

The information contained in this certification represents only the material submitted and is certified only for the quantities tested. Reproduction except in full is reserved pending written approval. The recording of false, fictitious, or fraudulent statements or entries on the certificate may be punishable as a felony under federal law. All testing was performed in a mercury free environment. **All testing performed in accordance with the latest edition of the applicable ASTM, or other Federal Test Method in effect at the time of test.**



BUTLER INC.

1600 W. 166th STREET
GARDENA, CALIFORNIA 90247
(310) 323-3114 / FAX (310) 324-0914



CERTIFIED TEST REPORT

CAGE CODE: 59053

PART NO: AN5C34A REV: 3
LOT NO: 17481
HEAT NO: G20690
MAT'L: 431

PROCUREMENT SPEC: NASM6812 REV: 3
LOT SIZE: 847
TEST DATE: 03/06/15
CERTIFICATION NO: 4998

Test type: **Rockwell hardness**

Results:

1.	5.	9.	13.	17.	21.	25.	29.
2.	6.	10.	14.	18.	22.	26.	30.
3.	7.	11.	15.	19.	23.	27.	31.
4.	8.	12.	16.	20.	24.	28.	32.

Technician: _____

Stamp: _____

Test type: **Axial tensile**

Results:

1. 10044 lbs	5. 9993 lbs	9.	13.	17.	21.	25.	29.
2. 10193 lbs	6.	10.	14.	18.	22.	26.	30.
3. 10045 lbs	7.	11.	15.	19.	23.	27.	31.
4. 9991 lbs	8.	12.	16.	20.	24.	28.	32.

Technician: Flavio Ron

Stamp:

Flavio Ron

Test type: **Double shear**

Results:

1. 13892 lbs	5. 14362 lbs	9.	13.	17.	21.	25.	29.
2. 13785 lbs	6.	10.	14.	18.	22.	26.	30.
3. 14104 lbs	7.	11.	15.	19.	23.	27.	31.
4. 13958 lbs	8.	12.	16.	20.	24.	28.	32.

Technician: Flavio Ron

Stamp:

Flavio Ron

Test type: **Recess torque**

Deformation allowable:

Results:

Technician: _____

Stamp: _____

Test type: **Magnetic permeability**

Results:

Test value: N/A

Sample size:

Test method:

Butler procedure no:

Sample size:

Technician: _____

Stamp: _____

Material, as tested, conforms to specification requirements. The information on this report represents only the material tested. This report shall not be reproduced except in full without the written approval of Butler Inc.



Contact:
C.O.R.E Aviation Services, Inc.
16305 E. Twin Acres Dr.
GILBERT, AZ 85298

Element Materials Technology
15062 Bolsa Chica
Huntington Beach, CA
92649-1023 USA

P 714 892 1961
F 714 892 8159
T 888 786 7555
info.hb@element.com
element.com

TEST CERTIFICATE — EAR-CONTROLLED DATA

Date: 3/7/2015
Purchase Order Number: SR0150225
Work Order Number: COR005-02-27-17625-1

Part No.:	AN3C42A
Description:	BOLT
Specification:	AN3C42A REV. 2, NASM 6812 (3), MIL-S-18732 (D) 431, AN3 THRU AN20 REV. 12
Reference:	1 BOLT OUT OF A BATCH OF 250ea TESTED

CHEMICAL ANALYSIS

Element		Result %	Min %	Max %
C	=	0.15	0.13	0.17
Mn	=	0.58	0.30	0.80
Si	=	0.35	0.20	0.60
P	=	0.022	0.000	0.040
S	=	0.005	0.000	0.030
Cr	=	16.42	15.50	16.50
Ni	=	2.08	2.00	3.00
Mo	=	0.06	0.00	0.25
N	=	0.07	0.00	0.10
Fe	=	Balance	Balance	Balance

Chemical Analysis performed by Optical Emission per SOP 2.02, Revision 15
Nitrogen by Fusion per SOP 13.00, Revision 9

AXIAL TENSILE (ROOM TEMPERATURE)

Requirement:	2,210 LBS MIN	
Test Method:	MIL-STD-1312-8A / NASM1312-8(2)	
Sample	Result (lbs.)	Location of Fracture
1	3,270	THREAD

DIMENSIONAL INSPECTION

Drawing Dimension	Actual
"B"	.370
"C"	.425
"D"	.128
"GRIP"	3.868
"LENGTH"	4.299
"R"	.008
"A"	.1868
MAJOR DIAMETER	.1870

Note: One bolt was tested as a representative of a batch of 250 bolts received

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Respectfully submitted

Colleen Henahan
Quality Administrator

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Purchase Order Receipt Listing

Page 1 of 2

Monday, January 26, 2015 2:32:33 PM

All amounts are calculated in domestic currency.

All Vendors PO ID po27009 Receipt Dates from 1/26/2015 to 1/26/2015 All Line Item Types

All Item ID/GL/WOs All Rec. Employees All Currencies

Grouped by Vendor ID



C.O.R.E. Aviation Services, Inc.

16305 E. TWIN ACRES DRIVE

GILBERT, AZ 85298

USA

Ph: 480-497-6136 Fax: 480-497-3568

EMAIL: sales@coreaviation.com

Invoice

Invoice : CA150121-2

Date : 01/21/2015

No. Items: 13

Page : 1 of 2

To:

Dart Aerospace Ltd.
1270 Aberdeen St.
Hawkesbury, ON K6A 1K7
Canada

Ship To:

Dart Aerospace Ltd.
Main Finished Goods Location
1270 Aberdeen St.
Hawkesbury, ON K6A 1K7
Canada

Sales Order : 27009	AWB : 772656131536	Resale : Not On File
Your Order# : 27009	Customer# : DALD	Buyer :
Order Date : 01/19/2015	Terms : N 10	Contact : 613-632-9577
Ship Date : 01/21/2015	Sales Person: sale2	Weight :
Ship Via : FEDEX	FOB : GILBERT, AZ	No. Boxes :
		Dimensions :

Item	Part Number/Description	Shipped	BackOrd	CD	Unit Price	Total Amt
1	AN3C36A NSN: 5306-01-020-9473	80	0	NE	\$10.00 EA	\$800.00
2	AN3C37A	70	0	NE	\$6.00 EA	\$420.00
3	AN3C41A	75	0	NE	\$14.50 EA	\$1,087.50
5	AN3C46A	70	0	NE	\$10.00 EA	\$700.00
6	AN3C50A NSN: 5306-00-582-9889	24	0	NE	\$17.00 EA	\$408.00
7	AN4C46A NSN: 5306-00-702-6010	70	0	NE	\$19.00 EA	\$1,330.00
8	AN4C52A NSN: 5306-00-197-6277	15	0	NE	\$20.00 EA	\$300.00
10	AN6C44A NSN: 5306-00-275-9647	52	0	NE	\$13.50 EA	\$702.00
11	AN8C16 NSN: 5306-00-180-2749	7	0	NE	\$15.00 EA	\$105.00
13	AN8C35A NSN: 5306-00-855-7396	15	0	NE	\$26.00 EA	\$390.00

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TERMS AND CONDITIONS OF SALE

MATERIALS ON THIS ORDER CONFORM TO SPECIFICATIONS AS LISTED ON YOUR PO/RO.

MATERIAL IS SUBJECT TO YOUR INSPECTION

OUR TERMS ARE AS PER OUR MUTUAL LETTERS OF AGREEMENT.

OVERDUE INVOICES WILL BE SUBJECT TO 1.5% INTEREST ON OVERDUE AMOUNTS.

NO RETURN OR REFUNDS AFTER 10 DAYS FROM INVOICE DATE.

DAMAGE OR SHORTAGE CLAIMS MUST BE MADE WITHIN 10 DAYS OF INVOICE DATE.

NO RETURNS ALLOWED WITHOUT PRIOR APPROVAL. RETURNED GOODS COULD BE SUBJECT TO A RESTOCK CHARGE.

#####

COUNTRY OF ORIGIN OF GOODS : USA

TYPE OF GOODS : AIRCRAFT PARTS

HARMONIZED CODE : 8803-20-0050

#####

8015-01-26



C.O.R.E. Aviation Services, Inc.

16305 E. TWIN ACRES DRIVE

GILBERT, AZ 85298

USA

Ph: 480-497-6136 Fax: 480-497-3568 **ORIGINAL**
Email: sales@coreaviation.com

Invoice

Invoice : CA150121-2

Date : 01/21/2015

No. Items : 13

Page : 2 of 2

Item	Part Number/Description	Shipped	BackOrd	CD	Unit Price	Total Amt	
14	MS20601AD4W10	BLIND RIVET	50	0	NE	\$5.00 EA	\$250.00
15	MS21920-25	CLAMP	40	0	NE	\$22.50 EA	\$900.00
16	MS21920-28	CLAMP	38	0	NE	\$22.50 EA	\$855.00

6P1501-24

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Sub Total :	\$8,247.50
Tax Total :	
S + H :	\$0.00
Balance :	\$8,247.50

KH

TEXTRON**Aerospace Fasteners**

Aerospace Fasteners Division of Textron Inc.

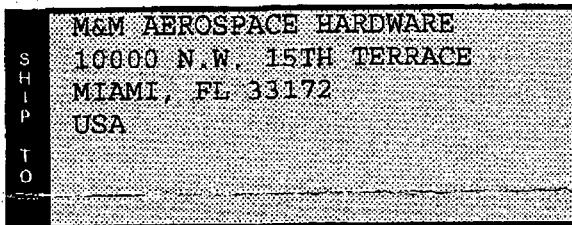
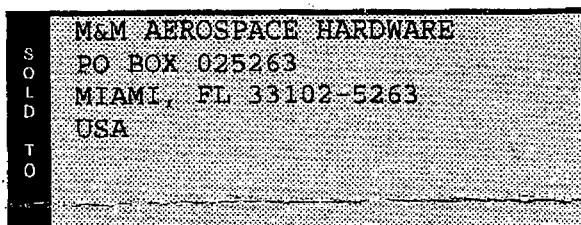
1224 East Warner Avenue
 Post Office Box 2157
 Santa Ana, CA 92707-0157
 USA

**PACKING LIST**

Order No: SO263141 Page: 1
 Order Date: 10/03/02
 Print Date: 12/12/02

Sold To: 10015341

Ship To: 19000244



Salespersons: 110

Purchase Order: 0T0175

Credit Terms: 1%10,30
 1%10, Net 30

Ship Via: Watkins

Remarks: Q#1021591

FOB Point: Origin - Collect

Ln Item Number	Site T Location Lot/Serial	Qty Open Qty to Ship	Promised	
			UM	Shipped
1 CR9162-4-10	1600 Customer Item: MS20601AD4W10 [Barcode]	5800.0	EA	12/12/02
	H0602 86164740		()	
2 CR9162-4-11	1600 Customer Item: MS20601AD4W11 [Barcode]	10000.0	EA	12/12/02
	H0602 86164741		()	

WARNING: MANUFACTURED WITH
 1,1,1-TRICHLOROETHANE,
 A SUBSTANCE WHICH HARMS PUBLIC
 HEALTH AND ENVIRONMENT BY
 DESTROYING OZONE IN THE
 UPPER ATMOSPHERE

Test Reports Enclosed
 Do Not Destroy

CERTIFICATION**ATTENTION: PURCHASING DEPARTMENT**

The material and/or parts we are furnishing in this shipment (as shown above) on the subject Purchase Order conform to the order and applicable specifications. Evidence that the material and/or parts meet the specifications and results of all tests for each lot affected will be in our files and will be available for your inspection at any reasonable time.

Signed

Quality Assurance Representative

SIM NGUYEN

AS9100 AND ISO 9001 ACCREDITED

VOSS™

2168 WEST 25TH STREET • CLEVELAND, OHIO 44113-4172
PHONE: 216-771-7655 • FAX 216-771-2887

PACKING SLIP AND
CERTIFICATION OF COMPLIANCE

DATE: APR 22, 2014

PACKING SLIP NO: 426603

JOB NUMBER: 1734E7/A

Sold to:
CORE AVIATION SERVICES INC
ATTN ACCOUNTS PAYABLE
16305 E TWIN ACRES DRIVE
GILBERT, AZ 85298

Ship to:
CORE AVIATION SERVICES INC
ATTN RECEIVING
16305 E TWIN ACRES DRIVE
GILBERT, AZ 85298

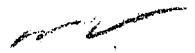
Cust. No.	Customer P.O. No.	Ship Date	Ship Via	F.O.B.
16000/00	STK140305	4/22/14	RPS	VOSS PL

Our Order No.	Order Date	Sales Rep	Terms
1734E7/A	3/06/14	R4	NET 30 DAYS

Qty. Ordered	Qty. Shipped	Part/ Description	UOM
500	350	MSE1920-28 REV-D BAND CLAMP Voss Internal #: 0459437 MSE1920-28 REV D ITEM #1 FEDEX ACCT #227067074	EA
2 CTNS @ 18# EA, 1 CTN @ 150 PCS EA, 1 CTN @ 50 PCS			

All parts comply to specialty metal DFAR requirements
All parts manufactured in USA

We hereby certify that parts and/or materials included in the above shipment have been manufactured and/or processed in compliance with all applicable purchase order and drawing specifications. In addition, data of chemical, physical and mechanical properties, where required, are on file for examination.


Micah Moyer, E-mail: micahmoyer@vosseltd.com
Senior Quality Engineer

ITAR/EAR EXPORT CONTROLS MAY APPLY PER FEDERAL REGULATIONS (22 CFR 120-130)

PLEASE DO NOT ASSUME ANY DEBITS UNTIL VOSS CREDIT IS AUTHORIZED.

WE HEREBY CERTIFY THAT THESE GOODS PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF THE SECTIONS 6, 7 AND 12 OF THE FAIR LABOR STANDARDS ACT, AS AMENDED, AND OF REGULATIONS AND ORDERS OF THE UNITED STATES DEPT. OF LABOR ISSUED UNDER SECTION 14 THEREOF.

EEO CLAUSE from EXECUTIVE ORDER 11246

EQUAL EMPLOYMENT OPPORTUNITY: The Equal Employment Opportunity clause in Section 202, Paragraphs 1 through 7 of Executive Order 11246, as amended, relative to equal employment opportunity and the implementing Rules and Regulations of the Office of Federal Contract Compliance and the affirmative action clauses set forth in 41C.F.R. 60-250.4 and 41C.F.R. 60-741.4 relating to disabled veterans, veterans of the Vietnam era and handicapped individuals are incorporated herein by specific reference.

AS9100 AND ISO 9001 ACCREDITED

VOSS™2168 WEST 25TH STREET • CLEVELAND, OHIO 44113-4172
PHONE: 216-771-7655 • FAX 216-771-2887PACKING SLIP AND
CERTIFICATION OF COMPLIANCE

DATE: AUG 15, 2014

PACKING SLIP NO: 481976

JOB NUMBER: 175634

Sold to:
CORE AVIATION SERVICES INC
ATTN ACCOUNTS PAYABLE
16305 E TWIN ACRES DRIVE
GILBERT AZ 85298Ship to:
CORE AVIATION SERVICES INC
ATTN RECEIVING
16305 E TWIN ACRES DRIVE
GILBERT AZ 85298Cust No. Customer P.O. No. Ship Date Ship Via F.O.B.
18000/00 STK140620-3 8/15/14 RPS VOSS PLTOur Order No. Order Date Sales Rep Terms
175634 6/23/14 R4 NET 30 DAYS

Qty.	Qty.	Part / Description	REV-D	UM
Ordered 250	Shipped 125	MS21920-25 BAND CLAMP		EA
Voss Internal #: 0453978				
MS21920-25 REV D				
ITEM #1				
FEDEX ACCT #227069074				

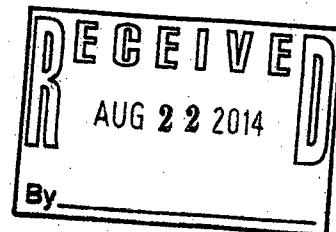
1 CTN @ 15# - 1 CTN @ 125 PCS

All parts comply to specialty metal DFAR requirements
All parts manufactured in USA

We hereby certify that parts and/or materials included in the above shipment have been manufactured and/or processed in compliance with all applicable purchase order and drawing specifications. In addition, data of chemical, physical and mechanical properties, where required, are on file for examination.


Michael Schleckman
Quality Manager

E-mail: mschleckman@vossind.com



ITAR/EAR EXPORT CONTROLS MAY APPLY PER FEDERAL REGULATIONS (22 CFR 120-130)

PLEASE DO NOT ASSUME ANY DEBITS UNTIL VOSS CREDIT IS AUTHORIZED.

WE HEREBY CERTIFY THAT THESE GOODS PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF THE SECTIONS 6, 7 AND 12 OF THE FAIR LABOR STANDARDS ACT, AS AMENDED, AND OF REGULATIONS AND ORDERS OF THE UNITED STATES DEPT. OF LABOR ISSUED UNDER SECTION 14 THEREOF.

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